

## C.I. Direct Red 77

acid, 5,5'-[carbonylbis(imino(2-sulfo-4,1-phenylene)azo)]bis(6-amino-4-hydroxy-, tetrasodium salt [2829-43-8]

## C.I. Direct Red 77

See 2-Naphthalenesulfonic acid, 7-(acetylaminio)-3-[(4-chloro-2-sulfo)phenylazo]-2,5-dimethylphenylazo]-4-hydroxy-, disodium salt [5873-19-8]

## C.I. Direct Red 79

See 2,7-Naphthalenedisulfonic acid, 4,4'-[carbonylbis(imino(5-methoxy-2-methyl-4,1-phenylene)azo)]bis(5-hydroxy-, tetrasodium salt [1937-34-4]

## C.I. Direct Red 80

See 2-Naphthalenesulfonic acid, 7,7'-[carbonyldiimino]bis(4-hydroxy-3-[(2-sulfo-4-[(4-sulfo)phenylazo]phenylazo]-, hexasodium salt [2610-10-8]

## C.I. Direct Red 81

See 2-Naphthalenesulfonic acid, 7-(benzoylamino)-4-hydroxy-3-[(4-[(4-sulfo)phenylazo]phenylazo]-, disodium salt [2610-11-9]

## C.I. Direct Red 83

See Cuprate(4-), [μ-[[7,7'-(carbonyldiimino)bis(4-hydroxy-κO)-3-[(2-hydroxy-κO)-5-sulfo]phenylazo-κN<sup>1</sup>]-2-naphthalenesulfonato]](8-)]di-, tetrasodium [15418-16-3]

## C.I. Direct Red 84

See 2-Naphthalenesulfonic acid, 5,5'-[carbonylbis(imino-4,1-phenylene)azo]bis(8-[(4-sulfo)phenylazo]-, tetrasodium salt [6409-83-2]

## C.I. Direct Red 88

See Benzoic acid, 5-[(4-[(7-(acetylaminio)-1-hydroxy-3-sulfo-2-naphthalenylazo]1,1'-biphenyl)-4-ylazo]-2-hydroxy-, disodium salt [6459-86-5]

## C.I. Direct Red 98

See Cuprate(2-), [μ-[[7,7'-(carbonyldiimino)bis(3-[(5-aminosulfonyl)-2-(hydroxy-κO)phenyl]azo-κN<sup>1</sup>]-4-(hydroxy-κO)-2-naphthalenesulfonato]](6-)]di-, disodium [6661-32-2]

## C.I. Direct Red 99

See Cuprate(3-), [μ-[[2-[(1-(hydroxy-κO)-6-[(5-hydroxy-κO)-6-[(2-hydroxy-κO)-5-sulfo]phenylazo-κN<sup>1</sup>]-7-sulfo-2-naphthalenyl)amino]carbonyl]amino]-1-hydroxy-2-naphthalenylazo-κN<sup>1</sup>]benzoato(7-)-κO]]di-, trisodium [6837-87-2]

## C.I. Direct Red 103

See 1,4-Benzenedisulfonic acid, 2-[(4-[(2,4-diamino-5-nitrophenyl)azo]-6-sulfo-1-naphthalenylazo)-1-naphthalenylazo]-, trisodium salt [6388-25-6]

## C.I. Direct Red 110

See 2-Naphthalenesulfonic acid, 7-[(4-[(acetylaminio)phenyl]amino)carbonyl]amino]-3-[(4-[(2,4-dichloro-6-sulfo)phenylazo]-3-methylphenylazo)-4-hydroxy-, disodium salt [5852-18-6]

## C.I. Direct Red 113

See 7-Benzothiazolesulfonic acid, 2-[(4-[(6-[(4-(acetylaminio)phenyl)amino]carbonyl]amino)-1-hydroxy-3-sulfo-2-naphthalenylazo]-3-sulfo]phenyl]-6-methyl-, trisodium salt [6417-31-8]

## C.I. Direct Red 121

See 2-Naphthalenesulfonic acid, 7-(4-aminobenzoyl)amino)-4-hydroxy-3-[(3-methyl-4-[(2-methyl-4-sulfo)phenyl]azo)-, disodium salt [5979-32-8]

## C.I. Direct Red 122

See 2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis(3-[(3-aminophenyl)azo]-4-hydroxy-, disodium salt [6420-46-8]

## C.I. Direct Red 127.1

See 2-Naphthalenesulfonic acid, 7-(4-aminobenzoyl)amino)-4-hydroxy-3-[(2-methyl-4-[(2-methyl-4-sulfo)phenyl]azo)phenylazo]-, disodium salt [5873-29-0]

## C.I. Direct Red 127A

See 2-Naphthalenesulfonic acid, 7-(4-aminobenzoyl)amino)-4-hydroxy-3-[(2-methyl-4-[(2-methyl-4-sulfo)phenyl]azo)phenylazo]-, disodium salt [5873-29-0]

## C.I. Direct Red 145

See Benzoic acid, 5-[(4-[(6-[(4-aminobenzoyl)amino]-1-hydroxy-3-sulfo-2-naphthalenyl)azo]benzoyl]amino)-2-hydroxy-, disodium salt [6771-94-4]

## C.I. Direct Red 150

See 1,5-Naphthalenedisulfonic acid, 3-[(4-[(6-[(4-aminobenzoyl)amino]-1-hydroxy-3-sulfo-2-naphthalenylazo)-3,5-dimethylphenylazo]-, trisodium salt [6421-66-5]

## C.I. Direct Red 156

See Benzoic acid, 5-[(4-[(4-[(6-[(4-aminobenzoyl)amino]-1-hydroxy-3-sulfo-2-naphthalenyl)azo]benzoyl]amino)phenylazo]-2-hydroxy-, disodium salt [7198-98-3]

## C.I. Direct Red 174

See Acetic acid, 1,4-chloro-2-[(1-hydroxy-6-[(4-[(8-hydroxy-5-quinolinyloxy)benzoyl]amino)-3-sulfo-2-naphthalenylazo]phenyl]-[16894-30-7]

## C.I. Direct Red 176

See 2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis(4-hydroxy-3-[(2-hydroxy-5-nitrophenylazo)-, disodium salt [61968-53-4]

## C.I. Direct Red 220

See Cuprate(4-), [μ-[[7,7'-(carbonyldiimino)bis(4-hydroxy-κO)-3-[(2-hydroxy-κO)-5-sulfo]phenylazo-κN<sup>1</sup>]-2-naphthalenesulfonato]](8-)]di-, tetrasodium [15418-16-3]

## C.I. Direct Red 234

See Cuprate(3-), [μ-[[2-[(1-(hydroxy-κO)-6-[(5-hydroxy-κO)-6-[(2-hydroxy-κO)-5-

sulfo)phenylazo-κN<sup>1</sup>]-7-sulfo-2-naphthalenyl)amino]carbonyl]amino]-3-sulfo-2-naphthalenylazo-κN<sup>1</sup>]benzoato(7-)-κO]]di-, trisodium [6837-87-2]

## C.I. Direct Red 236

See C.I. Direct Red 239 [60202-35-9]

## C.I. Direct Red 241

See C.I. Direct Red 243 [86543-85-3]

## C.I. Direct Red 250

See Benzoic acid, 2-[(1-hydroxy-6-[(5-hydroxy-6-[(2-hydroxy-5-nitrophenylazo)-7-sulfo-2-naphthalenyl]amino]carbonyl]amino)-3-sulfo-2-naphthalenylazo]-, trisodium salt [82944-45-4]

## C.I. Direct Violet 1

See 2-Naphthalenesulfonic acid, 5,5'-[(1,1'-biphenyl)-4,4'-diylbis(azo)]bis(6-amino-4-hydroxy-, disodium salt [2586-60-9]

## C.I. Direct Violet 3

See 2,7-Naphthalenedisulfonic acid, 4-hydroxy-3-[(4-[(1-hydroxy-4-sulfo-2-naphthalenylazo)]1,1'-biphenyl)-4-ylazo]-, trisodium salt [6507-83-1]

## C.I. Direct Violet 4

See 2-Naphthalenesulfonic acid, 7-amino-3-[(4'-[(2-amino-8-hydroxy-6-sulfo-1-naphthalenylazo)]1,1'-biphenyl)-4-ylazo]-4-hydroxy-, disodium salt [6472-95-3]

## C.I. Direct Violet 5

See 2-Naphthalenesulfonic acid, 7-amino-4-hydroxy-3-[(4-[(2-methylphenylazo)-6-sulfo-1-naphthalenylazo]-, disodium salt [6227-01-6]

## C.I. Direct Violet 7

See 2-Naphthalenesulfonic acid, 3-[(4-[(2,4-dimethyl-6-sulfo)phenyl]azo)-2,5-dimethylphenylazo]-4-hydroxy-7-(phenylamino)-, disodium salt [6227-10-7]

## C.I. Direct Violet 8

See Acetic acid, [(4'-[(1-hydroxy-6-(phenylamino)-3-sulfo-2-naphthalenylazo)-3,3'-dimethoxy(1,1'-biphenyl)-4-ylamino]azo)-, disodium salt [6417-26-1]

## C.I. Direct Violet 9

See 2-Naphthalenesulfonic acid, 4-hydroxy-3-[(2-methoxy-6-methyl-4-[(4-sulfo)phenylazo]phenylazo)-7-(phenylamino)-, disodium salt [6227-14-1]

## C.I. Direct Violet 12

See 2-Naphthalenesulfonic acid, 3,3'-[(1,1'-biphenyl)-4,4'-diylbis(azo)]bis(7-amino-4-hydroxy-, disodium salt [2429-75-6]

## C.I. Direct Violet 14

See 2-Naphthalenesulfonic acid, 7,7'-iminobis(3-[(2,4-dimethylphenyl)azo]-4-hydroxy-, disodium salt [6420-38-8]

## C.I. Direct Violet 21

See 1-Naphthalenesulfonic acid, 4-amino-3-[(4'-[(1-hydroxy-4-sulfo-2-naphthalenylazo)-3,3'-dimethyl(1,1'-biphenyl)-4-ylazo]-, disodium salt [6470-45-7]

## C.I. Direct Violet 22

See 1,3,6-Naphthalenetrisulfonic acid, 8-hydroxy-7-[(4'-[(2-hydroxy-1-naphthalenylazo)]1,1'-biphenyl)-4-ylazo]-, trisodium salt [6426-67-1]

## C.I. Direct Violet 28

See 1-Naphthalenesulfonic acid, 4-hydroxy-3-[(4'-[(1-hydroxy-5-sulfo-2-naphthalenylazo)-3,3'-dimethyl(1,1'-biphenyl)-4-ylazo]-, disodium salt [6420-06-0]

## C.I. Direct Violet 32

See 1-Naphthalenesulfonic acid, 4-amino-3-[(4'-[(1-hydroxy-4-sulfo-2-naphthalenylazo)-3,3'-dimethoxy(1,1'-biphenyl)-4-ylazo]-, disodium salt [6428-94-0]

## C.I. Direct Violet 35

See 1,5-Naphthalenedisulfonic acid, 3-[(4-[(1-hydroxy-6-(phenylamino)-3-sulfo-2-naphthalenylazo)-5-methoxy-2-methylphenylazo]-, trisodium salt [6227-20-9]

## C.I. Direct Violet 39

See 1-Naphthalenesulfonic acid, 3,3'-[(3,3'-dimethyl(1,1'-biphenyl)-4,4'-diylbis(azo)]bis(4-hydroxy-, disodium salt [6059-34-3]

## C.I. Direct Violet 43

See 1-Naphthalenesulfonic acid, 3,3'-[(1,1'-biphenyl)-4,4'-diylbis(azo)]bis(4-hydroxy-, disodium salt [6426-63-7]

## C.I. Direct Violet 46

See Cuprate(1-), [3-[(5-aminosulfonyl)-2-(hydroxy-κO)-phenyl]azo-κN<sup>1</sup>]-4-(hydroxy-κO)-7-(phenylamino)-2-naphthalenesulfonato(3-)]-, sodium [6408-21-5]

## C.I. Direct Violet 47

See Cuprate(4-), [μ-[[5,5'-(carbonylbis(imino(2-hydroxy-κO)-3-sulfo-4,1-phenylene)azo-κN<sup>1</sup>]]bis(6-(hydroxy-κO)-2-naphthalenesulfonato)](8-)]di-, tetraammonium [13011-70-6]

## C.I. Direct Violet 48

See Cuprate(2-), [μ-[[7,7'-iminobis(4-(hydroxy-κO)-3-[(2-hydroxy-κO)-5-(methylanino)sulfonyl]phenylazo-κN<sup>1</sup>)]-2-naphthalenesulfonato]](6-)]di-, disodium [37279-54-2]

## C.I. Direct Violet 51

See 2-Naphthalenesulfonic acid, 3-[(4-[(2,4-dimethyl-6-sulfo)phenyl]azo)-2-methoxy-6-methylphenylazo]-4-hydroxy-7-(phenylamino)-, disodium salt [5489-77-0]

## C.I. Direct Violet 53

See Cuprate(4-), [μ-[[7,7'-iminobis(3-[(3-chloro-2-(hydroxy-κO)-5-sulfo]phenylazo-κN<sup>1</sup>]-4-(hydroxy-κO)-2-naphthalenesulfonato)](8-)]di-, tetrasodium [93961-72-8]

## C.I. Direct Violet 56

See Cuprate(2-), [4-(hydroxy-κO)-3-[(2-(hydroxy-κO)-5-sulfo]phenylazo-κN<sup>1</sup>]-7-(phenylamino)-2-naphthalenesulfonato(4-)]-, disodium [6408-20-4]

## C.I. Direct Violet 62

See 2-Naphthalenesulfonic acid, 5,5'-[carbonylbis(imino(5-methoxy-2-sulfo-4,1-phenylene)azo)]bis(6-amino-4-hydroxy-, tetrasodium salt [7198-99-4]

## C.I. Direct Violet 64

See 2-Naphthalenesulfonic acid, 7-(benzoylamino)-4-hydroxy-3-[(2-methoxy-5-methyl-4-[(4-sulfo)phenylazo]phenylazo)-, disodium salt [5893-30-1]

## C.I. Direct Violet 66

See Cuprate(2-), [μ-[[7,7'-iminobis(3-[(5-aminosulfonyl)-2-(hydroxy-κO)phenyl]azo-κN<sup>1</sup>]-4-(hydroxy-κO)-2-naphthalenesulfonato]](6-)]di-, disodium [6798-03-4]

## C.I. Direct Violet 78

See Naphtho(2,1-d)thiazole-8-sulfonic acid, 2-(4-aminophenyl)-7-[(4-[(4-chloro-2-sulfo)phenylazo]-3-methylphenylazo)-6-hydroxy-, disodium salt [5852-30-2]

## C.I. Direct Violet 79

See (1,1'-Biphenyl)-3,3'-dicarboxylic acid, 4-[(1-hydroxy-6-(phenylamino)-3-sulfo-2-naphthalenylazo)-4'-[(1-hydroxy-5-sulfo-2-naphthalenylazo)-, tetrasodium salt [6471-71-2]

## C.I. Direct Violet 81

See Benzoic acid, 3,3'-(carbonyldiimino)bis(6-[(1-hydroxy-6-(phenylamino)-3-sulfo-2-naphthalenylazo)-, tetrasodium salt [6661-29-6]

## C.I. Direct Violet 85

See 1,3-Naphthalenedisulfonic acid, 7-hydroxy-8-[(4'-[(1-hydroxy-6-(phenylamino)-3-sulfo-2-naphthalenylazo)]1,1'-biphenyl)-4-ylazo]-, trisodium salt [6507-84-2]

## C.I. Direct Violet 88

See 2,7-Naphthalenedisulfonic acid, 5-amino-3-[(4'-[(2,4-diaminophenyl)azo]]1,1'-biphenyl)-4-ylazo]-4-hydroxy-, disodium salt [6358-33-4]

## C.I. Direct Violet 102

See 2-Naphthalenesulfonic acid, 7,7'-iminobis(4-hydroxy-3-[(2-hydroxyphenylazo)-, disodium salt [82944-43-2]

## C.I. Direct Violet 103

See 2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis(4-hydroxy-3-[(2-hydroxyphenylazo)-, disodium salt [82944-44-3]

## C.I. Direct Yellow 1

See Benzoic acid, 3,3'-[(1,1'-biphenyl)-4,4'-diylbis(azo)]bis(6-hydroxy-, disodium salt [6472-91-9]

## C.I. Direct Yellow 4

See Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis(5-[(4-hydroxyphenylazo)-, disodium salt [3051-11-4]

## C.I. Direct Yellow 5

See 1H-Indene-1,3(2H)-dione, 2-benzofluoridin-3-yl-, disulfide deriv. [1324-04-5]

## C.I. Direct Yellow 8

See 7-Benzothiazolesulfonic acid, 6-methyl-2-[(4-[(2-oxo-1-(phenylamino)carbonyl]propylazo]phenyl)-, monosodium salt [10130-29-7]

## C.I. Direct Yellow 9

See 7-Benzothiazolesulfonic acid, 2,2'-(1-triazene-1,3-diyl)-4,1-phenylene]bis(6-methyl-, disodium salt [1829-00-1]

## C.I. Direct Yellow 12

See Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis(5-[(4-ethoxyphenylazo)-, disodium salt [2870-32-8]

## C.I. Direct Yellow 13

see 1H-Indolesulfonic acid, 3,3'-[carbonylbis(imino-4,1-phenylene)azo]bis(2-methyl-, disodium salt [1324-42-1]

## C.I. Direct Yellow 15

See 1H-Pyrazole-3-carboxylic acid, 4-[(4-[(4-[(3-carboxy-4-hydroxyphenylazo]phenyl]amino]carbonyl]phenyl)-4,5-dihydro-5-oxo-1-phenyl-, disodium salt [2896-76-6]

## C.I. Direct Yellow 17

See (2,6'-Bibenzothiazole)-7-sulfonic acid, 2'-[(4,5-dihydro-3-methyl-5-oxo-1-(4-sulfo)phenyl)-1H-pyrazol-4-ylazo]phenyl]-6-methyl-, disodium salt [6537-65-1]

## C.I. Direct Yellow 22

See (2,6'-Bibenzothiazole)-7-sulfonic acid, 6-methyl-2'-[(4-[(2-oxo-1-(phenylamino)carbonyl]propylazo]phenyl)-, monosodium salt [10190-69-9]

## C.I. Direct Yellow 26

See Benzoic acid, 3,3'-[carbonylbis(imino-4,1-phenylene)azo]bis(6-hydroxy-, disodium salt [2829-42-7]

## C.I. Direct Yellow 27

See 7-Benzothiazolesulfonic acid, 2-[(4-[(1-[(2-methoxyphenyl)amino]carbonyl]-2-oxopropylazo)-3-sulfo]phenyl]-6-methyl-, disodium salt [10190-68-8]

## C.I. Direct Yellow 29

See (2,6'-Bibenzothiazole)-7-sulfonic acid, 2,2'-(azodi-4,1-phenylene)bis(6-methyl-, disodium salt [6537-66-2]

## C.I. Direct Yellow 31

See Benzenesulfonic acid, 4,4'-[carbonylbis(imino(2-acetylaminio)-4,1-phenylene)azo]bis-, disodium salt [71775-48-9]

## C.I. Direct Yellow 33

See Benzoic acid, 3,3'-[carbonylbis(imino(2-methyl-4,1-phenylene)azo-4,1-phenylene)azocarbonyl]bis(2-hydroxy-5-sulfo-, tetrasodium salt